Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/02/2015 02:15 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	120723	-4	6.23	120790	6.20
Blue	F	SSC	125000	122599	-2	4.30	123599	4.09
Blue	E	FITC	17224	16218	-6	5.34	910	11.29
Blue	D	PE	22462	21210	-6	5.06	949	10.46
Blue	B	PerCP-Cy5-5	63940	60758	-5	5.42	1591	15.77
Blue	A	PE-Cy7	72480	68461	-6	6.33	887	28.67
Red	C	APC	63778	61219	-5	4.23	3445	9.10
Red	A	APC-Cy7	97254	92478	-5	4.35	1820	9.01
Violet	B	V450	10730	10586	-2	3.58	660	8.69
Violet	A	V500	42147	41572	-2	3.12	2353	6.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18669	28.43	625	5	N/A	N/A	Pass
Blue	F	SSC	60771	3.61	533	6	N/A	N/A	Pass
Blue	E	FITC	97	39.30	541	2	0.0186	77	Pass
Blue	D	PE	196	28.41	535	3	0.1322	149	Pass
Blue	B	PerCP-Cy5-5	190	44.84	620	6	0.0085	0	Pass
Blue	A	PE-Cy7	62	120.29	680	7	0.0116	18	Pass
Red	C	APC	321	26.96	584	0	0.0192	0	Pass
Red	A	APC-Cy7	114	39.16	565	0	0.0043	593	Pass
Violet	B	V450	69	45.51	478	4	0.0386	1855	Pass
Violet	A	V500	152	22.81	507	4	0.0119	20	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.08	-30.89	0.69
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.18
Red	14.55	13.09 - 19.63	N/A	N/A	31.34	31.59	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 9707

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments